



# Flexible Solution, Non-Stop Power

VIGI Solar Power Security Solution







# Why VIGI Solar Power Security Solution

Scan to explore  
the VIGI Solar  
System Selector




In remote locations like islands, installing power and data cabling is often challenging due to high costs and complicated environments. Additionally, temporary applications, such as construction sites, require quick installation and removal solutions. The VIGI Solar Power Security Solution offers flexible cabling, remote maintenance capability, and high reliability.

 Remote Maintenance  
and Management

 Flexible Networking  
Solution

 All-Weather Stability

 Longer Standby Time

 Environment-friendly



## Farmland

Simplifies wiring, and offers 24/7 video recording, full coverage, and timely alerts to protect your property.



## Islands

Provides multiple networking options and ensures reliable performance even in tough conditions.



## Forests

Reduces wiring and power costs while offering the convenience of remote management and maintenance.




## Construction Sites

Quickly set up and dismantle solar-powered security systems. AI detection and instant alerts provide added security.

## Manage and Maintain Without On-Site Visits

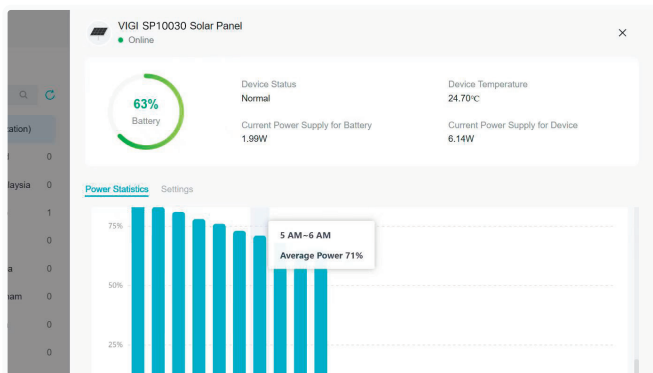
The VIGI solution, managed through TCP/IP, delivers reliable efficiency. Control multiple locations, monitor power, receive low-battery alerts, get instant event notifications, update firmware, and reboot devices remotely via the VIGI app or VIGI Cloud VMS.

 Reduces On-Site  
Maintenance Costs

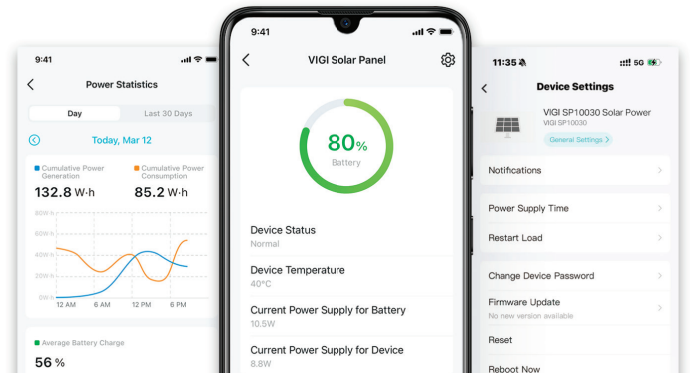
 Manage via VIGI  
App or Cloud VMS

 Supports Multi-Site  
Management

 Instant Event  
Alerts



VIGI Cloud VMS



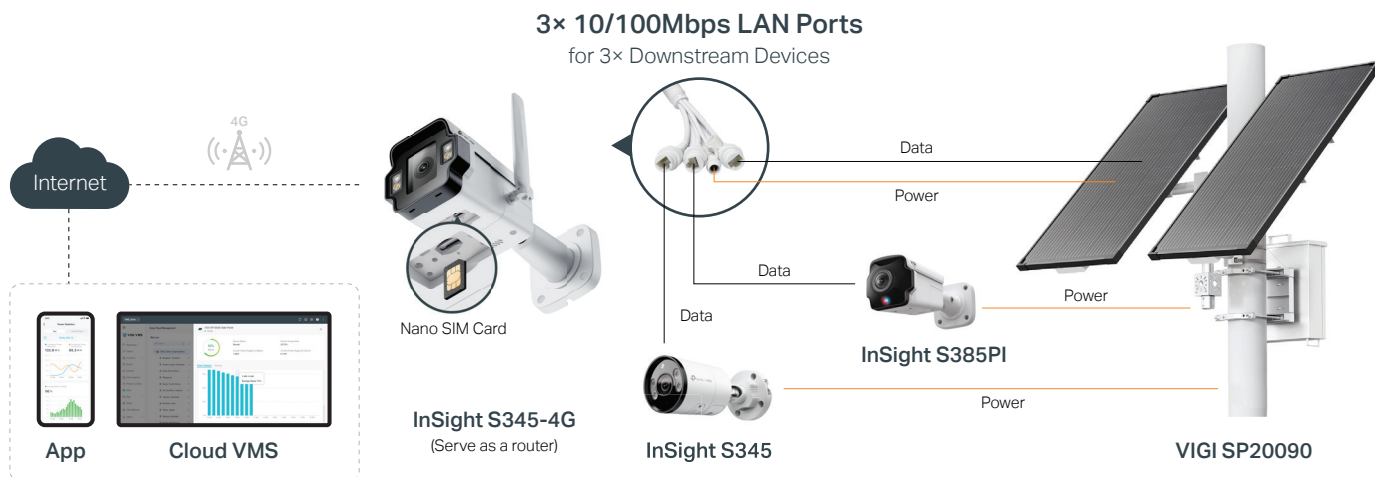
VIGI App

# Flexible Networking Solution Options

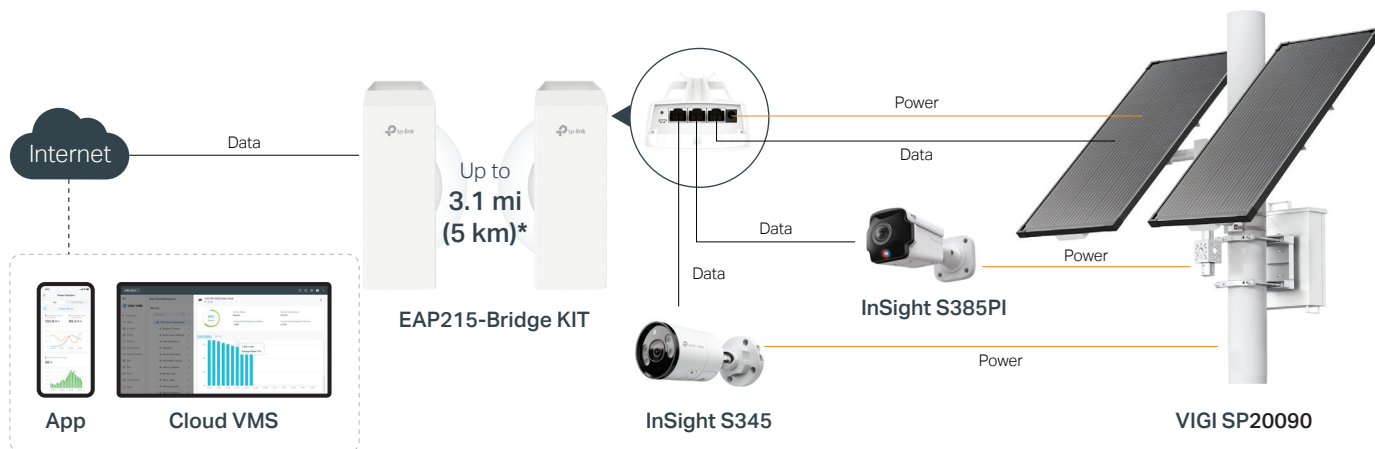
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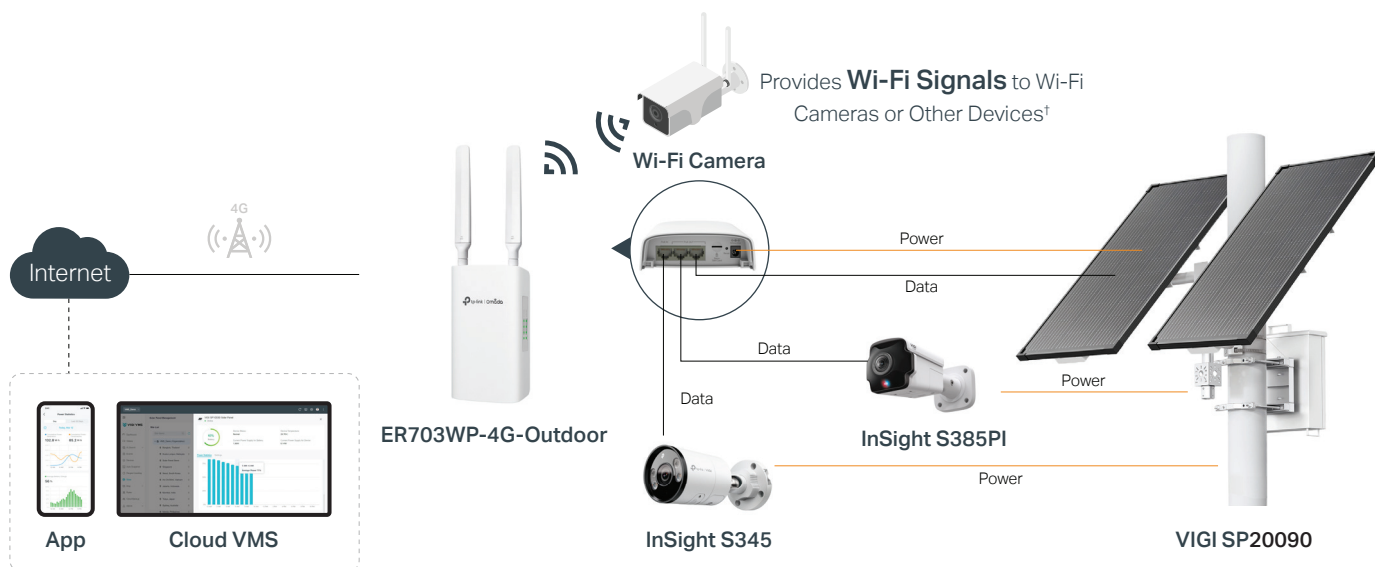
## • 4G Outdoor Camera-Solar Power Solution



## • Outdoor Wireless Bridge-Solar Power Solution



## • 4G Outdoor Gateway-Solar Power Solution

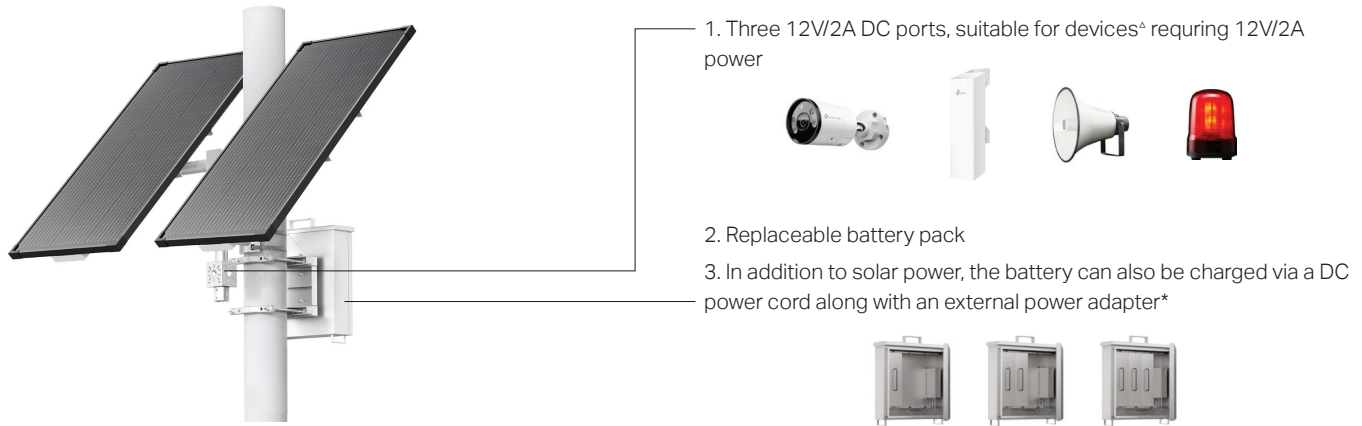


\*All products are tested in real outdoor environments. Actual range and throughput depend on the transmission power and environmental factors such as wireless interference, obstacles, weather, etc.

†It is advisable to limit the total number of devices connected to the 4G outdoor gateway to four or fewer, whether wired or wireless. Additionally, the wireless connection range should not exceed 328ft (100m), though actual distance may vary depending on the network environment.

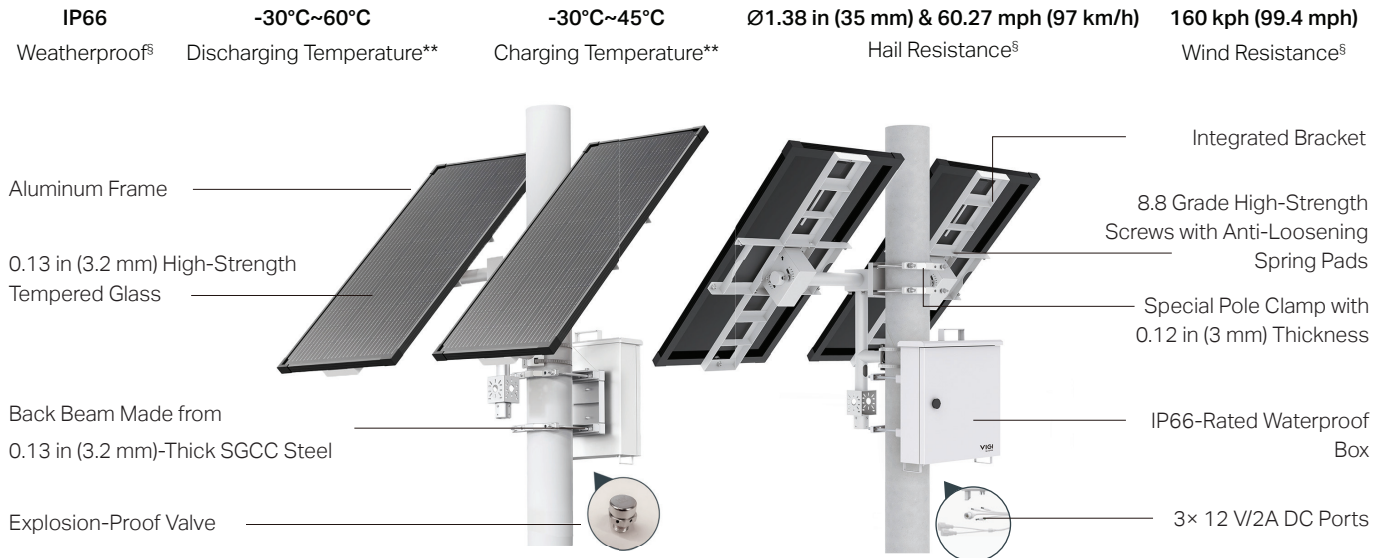
# Customized Assembly for Different Scenarios

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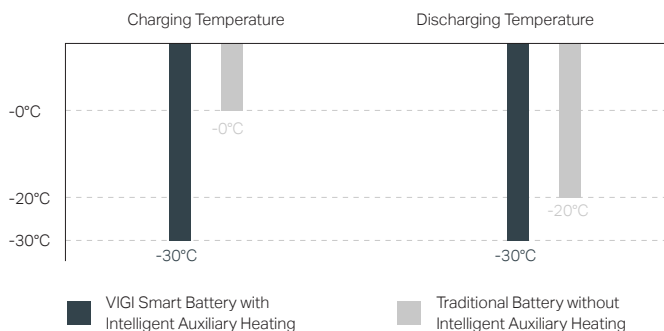
## All-Weather Stability, Reduced Maintenance Costs

### • Durable Hardware Design



### • Intelligent Auxiliary Heating Technology

#### Charge and Discharge Temperature Limit Comparison



#### Actual Discharge Comparison at the Same Temperature

##### Discharge Capability



\*The auxiliary heat will only be turned on when the photovoltaic system has a certain input or the battery has a certain amount of power. The test environment consisted of a 20°C aging box and 1A constant current discharge.

\* For more details, please consult your local sales team.

<sup>Δ</sup> We offer cameras and networking devices. For additional devices like speakers and alarm lights, we recommend exploring other brands.

\*\*When the intelligent auxiliary heating technology is activated, the solar power system can sustain its maximum auxiliary heating capacity. This ensures that the battery can be heated from an ambient temperature of -30°C to above 0°C.

<sup>§</sup>All data are from experimental tests or theoretical calculations. Actual performance may be influenced by environmental factors.



## Longer Standby Time

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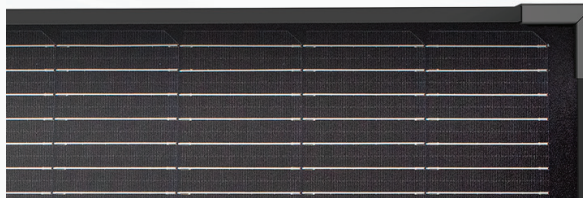


Works for **7.3** Consecutive  
Days of Rainfall\*

**+20% ↑**

Charging Efficiency with MPPT Controller\*\*

## Industrial-Grade Solar Panel



Up to **2x 100 W<sup>§</sup>**

Grade **A+** Solar Panel

**25** Year Life<sup>§</sup>

**22% ↑** Conversion Efficiency

## Automotive-Grade Lithium Battery



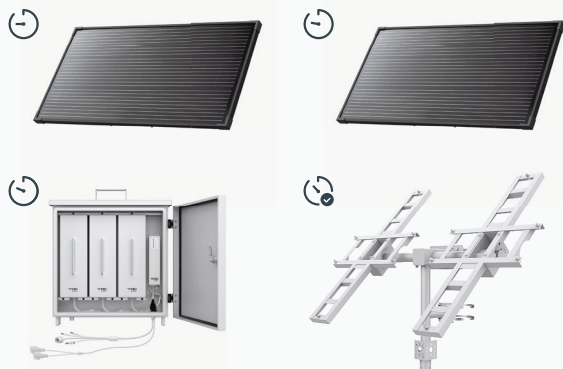
Up to **1024.92 Wh<sup>§</sup>**

Discharge Efficiency up to **99%<sup>§</sup>**

**> 500** Cycles<sup>§</sup>

Independent Protection Circuit

## Fast & Easy Installation



**20 Min**

Installation completed with our user-friendly modular design



**5°/15°/25°/35°/45°/55°**

Adjustable angles maximize sunlight utilization

## Environment-friendly

Reduces Electricity Consumption  
by Approximately **258.8<sup>‡</sup> kWh** per Year

Prevents Approximately **203.2<sup>‡</sup> Kg**  
of CO<sub>2</sub> Emission per Year

\*Using VIGI SP20090, 2x InSight S345 and 1x EAP215 - Bridge KIT are selected as load devices with average power consumption. In Las Vegas, the system is calculated to work for 7.3 consecutive rainy days.

\*\*This value is compared to the charging efficiency of PWM (Pulse Width Modulation) controller.

§All data are from experimental tests or theoretical calculations. Actual performance may be influenced by environmental factors.





‡Example calculation: For VIGI SP20090 with ER703WP-4G-Outdoor, InSight S385PI, and InSight S385, calculations are based on average device power consumption, 24-hour daily operation, and charging device power consumption and efficiency. Results for reference only.



# Product List








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Modular Solar Power Supply Models					
Product Type	VIGI Solar System Controller				
Product Image					
Product Model	VIGI PS30		VIGI PS90		
Battery Capacity	31.2Ah/10.8V Lithium Battery		93.6Ah/10.95V Lithium Battery (supports 1/2/3 configurations with 31.2Ah per battery)		
Output	Output1&2: 9~12.6V/2A, Output3: 12V/2A				
Operating Temperature	Charging: -30°C~45°C (with intelligent auxiliary heat), Discharging: -30°C~60°C (with intelligent auxiliary heat)				
Product Type	VIGI Solar Panel		Product Type	VIGI Solar Mount	
Product Image			Product Image		
Product Model	VIGI Solar Panel 100W		Product Model	VIGI 200W Solar Mount	

Integrated Solar Power Supply Models			
Product Type	VIGI Intelligent Solar Power Supply System		
Product Image			
Product Model	VIGI SP10030		VIGI SP20090
System Components	VIGI 100W Solar Panel, VIGI PS30		2× VIGI 100W Solar Panel, VIGI PS90, VIGI 200W Solar Mount
Solar Panel Power	100W		2x 100W
Battery Capacity	31.2Ah/10.8V Lithium Battery		93.6Ah/10.95V Lithium Battery (supports 1/2/3 configurations with 31.2Ah per battery)
Operating Temperature	Charging: -30°C~45°C (with intelligent auxiliary heat), Discharging: -30°C~60°C (with intelligent auxiliary heat)		
Output	Output1&2: 9~12.6V/2A, Output3: 12V/2A		

**Note:** These virtual models are combinations of different modular solar power systems. See "System Components" for details.

Cameras					
Product Image					
Product Model	InSight S385PI	InSight S345ZI	InSight S345-4G	InSight S345S	InSight S345
Lens	1.65 mm	2.7-13.5 mm	4 mm	4 mm	2.8/4 mm
Max Resolution	8MP (Max. 3840 x 2160)	4MP (Max. 2688 x 1520)	4MP (Max. 2688 x 1520)	4MP (Max. 2688 x 1520)	4MP (Max. 2688 x 1520)
Night Vision	IR	IR	Full-Color	ColorPro 2.0	Full-Color
Network	Ethernet	Ethernet	4G/Ethernet, Supports 3× LAN Ports	Ethernet	Ethernet
Max Power Consumption	18 W	12 W	15.02 W	17.9 W	9.7 W

Outdoor Bridge	
Product Image	
Product Model	EAP215-Bridge KIT
Coverage	3.1 mi (5 km)**
Signal Rate	5 GHz: Up to 867 Mbps**
Max Power Consumption	11.5 W

4G WiFi Outdoor Gateways	
Product Image	
Product Model	ER703WP-4G-Outdoor
Frequency	• Downlink: 300 Mbps** • Uplink: 50 Mbps**
Max Power Consumption	14.5 W

\*\*All products are tested in real outdoor environments. Actual range and throughput depend on the transmission power and environmental factors such as wireless interference, obstacles, weather, etc.

Scan for more  
VIGI products



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